



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/774,603	02/10/2004	Eric R. Fossum	M4065.0774/P774-A	1683

90665 7590 05/12/2010

Dickstein Shapiro LLP
1825 Eye Street, NW
Washington, DC 20006

EXAMINER

ART UNIT	PAPER NUMBER
----------	--------------

DATE MAILED: 05/12/2010

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Response to Amendment

1. The Examiner acknowledges the amended claims filed on February 26, 2010.

Claims 1-64 have been cancelled. **Claims 65-150** have been newly added.

Election/Restrictions

2. The amendment filed on February 26, 2010 canceling all claims drawn to the elected invention and presenting only claims drawn to a non-elected invention is non-responsive (MPEP § 821.03). The remaining claims are not readable on the elected invention because Examiner noted that claims 65-150 appear to be directed to an image sensor according to a different embodiment of the invention as shown in fig. 8 wherein an area interpolation, a plurality of analog to digital converters receiving the RGB signals, and a plurality of registers receiving the output from the A/D converters. Claims 1-64 as previously presented appear to be related to a first embodiment as shown in fig. 6, in which interpolation is made to a single line (i.e. 5 pixels) received from a single A/D converter and a single register. It is noted that the present claims are different from the claims previously presented as the present claims are directed to a system designed to perform interpolation to a block of pixels and the elements needed for that block while the invention as previously presented was directed to interpolation in a single line. Therefore, there is an examination and search burden for these patentably distinct inventions due to their mutually exclusive characteristics as they

Art Unit: 2622

would require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search queries); and/or the prior art applicable to one species would not likely be applicable to another invention.

3. Since the above-mentioned amendment appears to be a *bona fide* attempt to reply, applicant is given a TIME PERIOD of ONE (1) MONTH or THIRTY (30) DAYS, whichever is longer, from the mailing date of this notice within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD UNDER 37 CFR 1.136(a) ARE AVAILABLE.

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nelson D. Hernández Hernández whose telephone number is (571)272-7311. The examiner can normally be reached on 9:00 A.M. to 5:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached on (571) 272-7372. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2622

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nelson D. Hernández Hernández/
Examiner, Art Unit 2622
May 10, 2010